

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A single valve, comprising:

a seat with an opening; and

a semi-rigid membrane with one or several openings and which is structured to successively adopt two stable positions,

wherein the one or several openings in the membrane are disposed around a central part of the membrane;

wherein the central part of the membrane has a diameter that is greater than a diameter of the opening in the seat and a thickness of the central part is substantially the same; and wherein the membrane in a first stable position closes the opening in the seat

wherein, in a first stable position, a surface of the central part of the membrane sits against the seat to close the opening in the seat.

2. (Previously Presented) The single valve according to Claim 1, wherein the seat and the membrane are assembled such that the membrane in the first stable position prevents a circulation of fluid and in a second stable position allows the circulation of fluid.

3. (Previously Presented) The single valve according to Claim 2, wherein the membrane is open so as to create a difference in pressure on either side of the single valve during the circulation of fluid.

4. (Previously Presented) The single valve according to Claim 3, wherein the single valve is activated by the difference in pressure upstream and downstream of the single valve.

5. (Previously Presented) The single valve according to Claim 4, wherein the membrane is made of a polymer.

6. (Previously Presented) The single valve according to Claim 4, wherein the membrane is made by stamping a metal sheet.

7. (Previously Presented) The single valve according to Claim 4, wherein the membrane is made by duplicate molding an elastomer onto a metallic core grid.

8. (Previously Presented) An inflation and deflation valve comprising the single valve according to Claim 1.

9. (Previously Presented) A single valve to close an active control circuit for the pressure of a volume comprising the valve of Claim 1, wherein the seat is of revolution and incorporates at its center an opening.

10-11. (Canceled)

12. (New) The single valve according to Claim 1, wherein the one or several openings in the membrane is two or more openings.